

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number  
**WO 2005/011493 A1**

(51) International Patent Classification<sup>7</sup>: **A61B 5/11**,  
5/042, 5/107, G01B 7/16

(21) International Application Number:  
PCT/DK2004/000522

(22) International Filing Date: 4 August 2004 (04.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
PA 2003 01126 4 August 2003 (04.08.2003) DK

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(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

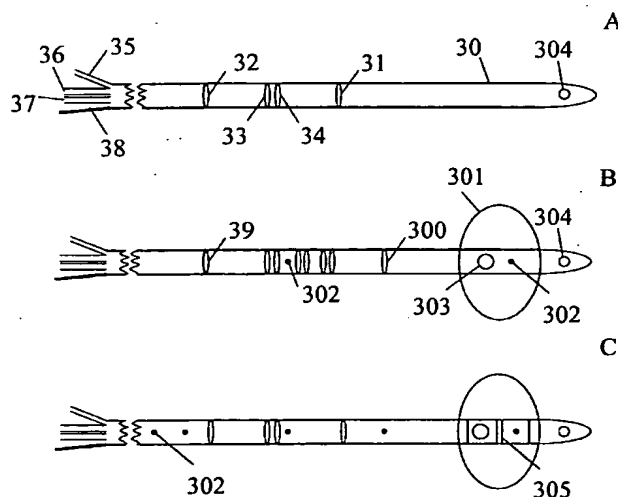
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS FOR DETECTING AXIAL FORCE IN THE DIGESTIVE SYSTEM



(57) Abstract: An apparatus and a method for measuring deformations and force applied to a probe are disclosed. The system may be a mechanical system a physical system or a biological system such as e.g. a bodily hollow system. The apparatus comprises an elongated elastic probe, a conducting medium attached to or contained by the probe, two or more electrodes being electrically connected by the conducting medium, the electrodes being attached to the probe, and the apparatus furthermore comprising means for measuring an electrical parameter, such as the potential difference between at least two of the number of electrodes, the measured electrical parameter being indicative of a deformation of the probe in at least the longitudinal direction of the elongated probe. The force applied to the probe may be determined from a pre-calibration of the electrical parameter-force relationship of the probe.

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